

Remarks

This preliminary amendment of the original claims and addition of new claims is made herein to provide more comprehensive coverage for the invention. Most of the amendments involve broadening the scope of the claims by adding “at least one of” and deleting of unnecessary limitations. Other amendments involve addition of alternative methods of mathematical decomposition and alternative computer devices.

Support for the phraseology added in the claims is found in specification as follows:

1. “Mathematical modeling or computer modeling” as added in claims 1, 2, 7, 9, 20, 22, 23, 27, 41 and 43. Support is found on page 20, lines 11-13 and on page 24, lines 22-26.
2. “Signal processing and statistical analysis” as added in claims 1, 2, 7, 9, 20, 22, 23, 27, 41 and 43. Support is found on page 18, beginning in line 32 and continuing to page 19, line 3, and on page 23, lines 17-23.
3. “Time series” as added in claims 1, 2, 9, 20, 22, 23, 27, 29, 41 and 43. Support is found on page 7, lines 13-17 and on page 15, lines 18-20.
4. “Orthogonal decomposition” as added in claims 3, 9, 23 and 29. Support is found on page 7, lines 15-17.
5. “Reference values,” “threshold” and “manually adjusted or edited reference values” as added in claims 10, 35, 36 and 38. Support is found on page 6, lines 11-13 and on page 6, starting in line 31 and continuing on page 7 through line 5.
6. “Computer devices” and “specialized computer, computer organizer (PDA), cell phone, smart phone, group of computers connected via local network or the Internet” as added in claims 37 and 39. Support is found on page 7, lines 7-10 and in original claim 20, page 32, lines 4-7.

Applicant respectfully submits that all broadening amendments of the claims as made herein are permitted under MPEP Section 2163.05 and the cases cited

in that Section. It's clear from Applicant's specification that he was in "possession of the broader, more generic invention" as covered by the amended and new claims now presented. No essential or critical recitations have been deleted from the amended or omitted from the new claims. The broadened claims are all within the stated purpose of the invention.

The addition of new claims 32 through 46, which includes two independent claims (claims 40 and 43), results in extra claims fees. A Fee Transmittal form and a Credit Card Payment form for \$575 are enclosed (fifteen claims x \$25 = \$375 and two independent claims x \$100 = \$200).

Please examine this application in view of the above amendments.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "David W. Brownlee", is written over a horizontal line.

David W. Brownlee
Registration No. 24,464
Attorney for Applicant

(412) 828-9397